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- (71) Applicant (for all designated States except US): **ALPHA STAMPING COMPANY** [US/US]; 33375 Glendale Avenue, Livonia, MI 48150-1657 (US).
- (72) Inventor; and
- (75) Inventor/Applicant (for US only): **DOWNEY, Gerald, P.** [US/US]; 40176 Spitz Dr., Sterling Hts., MI 48313 (US).
- (74) Agent: **ROBERT, C., Collins**; Reising, Ethington, Barnes, Kisselle, P.C., P.O. Box 4390, Troy, MI 48099 (US).
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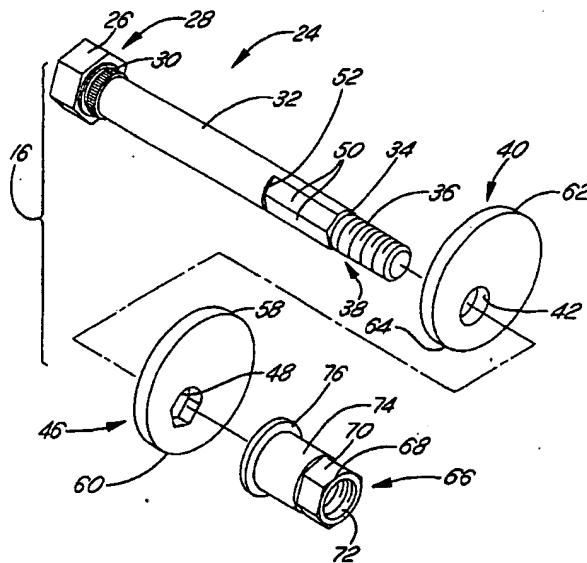
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(54) Title: FASTENER ASSEMBLY



(57) Abstract: A fastener assembly adapted for providing adjustment between at least two members. A bolt includes a head, a shank axially extending from the head, and a circumferentially uninterrupted threaded portion axially extending from the shank. A first cam washer is fixed against rotation to the shank of the bolt in a position that is adjacent with respect to the head of the bolt. A second cam washer is fixed against rotation to the shank of the bolt in a position that is adjacent with respect to the threaded portion of the bolt. A threaded portion of a nut is threaded to the threaded portion of the bolt, and a skirt portion of the nut displaces the second cam washer as the nut is torqued down on the bolt.

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# INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/37452

## A. CLASSIFICATION OF SUBJECT MATTER

IPC: (3) F16B 39/36( 2006.01);F16B 35/00( 2006.01)

USPC: 411/169,935.1,272,273,87,389

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 411/169, 935.1, 272, 273, 87, 389

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)  
USPGPUBS, DERWENT, EPO, JPO

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5,580,201 A (BRILMYER) 3 Dec 1996 (03.12.1996), whole document, esp. Figs 1-6	1-3, 5-9, 14-17, 19-22, 27-29, 31-34, 39
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Y		4, 10-13, 18, 23-26, 30, 35-38
A	US 3,006,443 A (SILER) 31 Oct 1961 (31.10.1961), whole document.	1-39
A	US 6,382,645 A (GRAVELLE et al.) 07 May 2002 (07.05.2002), whole document.	1-37
A	US 6,302,416 A (SCHMACK) 16 Oct 2001 (16.10.2001), whole document.	1-39
A	US 2004/0090030 A1 (GENICK, II) 13 May 2004 (13.05.2004), whole document.	1-39



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Authorized officer

Katherine W. Mitchell

Telephone No. 571-272-5150

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PCT/US04/37452**C. (Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2005/0001397 A1 (GENICK, II) 06 Jan. 2005 (06.01.2005), whole document.	1-39
A	GB 2,116,279 A (MANNERS-SMITH) 21 Sept. 1983 (21.09.1983), whole document.	1-39

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